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Approved For Release 2000/08/29 : CIA-RDP79-01153A000300010140-3

28 March 1968

MEMORANDUM FOR: Chief, Planning Staff, OIDI

ATTENTION: [REDACTED]

SUBJECT: Automatic Data Plotting Equipment,
FY 69 and FY 70

1. As projected for FY 69 and FY 70 in the Program Planning Paper submitted 8 January 1968, the sum of [REDACTED] is estimated as the cost of in-house plotting equipment and environment for support of cartographic and graphic production. At present, the Division depends for ADP support on equipment controlled and operated by OCS, an arrangement which is presently not meeting Division requirements for quality, speed, and management control. The establishment of an in-house facility is required to overcome these shortfalls and would have the following impact on Division production:

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a. It will enhance the ability of the Division to provide specialized plotting charts, maps, and other devices requested by technical research components which cannot now be provided except through ADP processes. A variety of map projections, satellite tracking charts, terrain profiles, area measurements, and perspective drawings are current outputs of the ADP system. Without this specialized equipment these items would require prohibitive amounts of man-hours. As research efforts increase in other components, new requirements utilizing cartographic ADP will provide additional services to requesters, and, as more sophistication in the use of the equipment develops, a reduction in per unit cost (in man-hours) of items produced is anticipated.

b. Manpower requirements to operate the in-house equipment have been projected as two additional slots the first year and one additional slot the second. These positions will be filled with specialized personnel qualified to operate cartographic-oriented electronic equipment. Further manpower requirements directly related to new equipment, if needed beyond the second year, will be filled by reassignment of personnel whose job in whole or part has become mechanized.

It should be noted that the Division will continue to depend upon OCS for computer services and programming assistance in order to operate the new equipment requested.

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c. The potential of ADP for reducing production time has been amply demonstrated. Quicker service to requesters, although limited to manuscript production because of inadequacies of equipment, is now available. Many types of maps and charts can be processed in a fraction of the time required for hand production with conventional methods. FMSAC, OC, OER, OSI, OER, and OGI have been serviced numerous times on a 24-hour basis, which under conventional technology, would have taken days and weeks. With improvement in the state of the art and new equipment, production of finished graphics ready for reproduction is expected to become more routine.

d. The requested equipment will have little impact on the amount of overtime the Division will use. For some time overtime has been used primarily, and nearly exclusively, for support of current intelligence in CD/X and the production of General Survey maps for the HIS program. The use of electronic equipment to absorb this overtime is not foreseen. However, as new techniques and procedures for making graphics are developed, it is conceivable that a gradual reduction of overtime could be accomplished, especially in the drafting phase of General Survey map production.

/s/ [REDACTED]
for JAMES A. FRAMMELL
Director
Basic and Geographic Intelligence

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